

| | |
|---|-----|
| atg gca agt cca gag cac cct ggg agc cct ggc tgc atg gga ccc ata | 48 |
| Met Ala Ser Pro Glu His Pro Gly Ser Pro Gly Cys Met Gly Pro Ile | |
| 1 5 10 15 | |
| acc cag tgc acg gca agg acc cag cag gaa gca cca gcc act ggc ccc | 96 |
| Thr Gln Cys Thr Ala Arg Thr Gln Gln Glu Ala Pro Ala Thr Gly Pro | |
| 20 25 30 | |
| gac ctc ccg cac cca gga cct gac ggg cac tta gac aca cac agt ggc | 144 |
| Asp Leu Pro His Pro Gly Pro Asp Gly His Leu Asp Thr His Ser Gly | |
| 35 40 45 | |
| ctg agc tcc aac tcc agc atg acc acc ccg gag ctt cag cag tac tgg | 192 |
| Leu Ser Ser Asn Ser Ser Met Thr Thr Arg Glu Leu Gln Gln Tyr Trp | |
| 50 55 60 | |
| cag aac cag aaa tgc cgc tgg aag cac gtc aaa ctg ctc ttt gag atc | 240 |
| Gln Asn Gln Lys Cys Arg Trp Lys His Val Lys Leu Leu Phe Glu Ile | |
| 65 70 75 80 | |
| gct tca gct cgc atc gag gag aga aaa gtc tct aag ttt gtg gtg tac | 288 |
| Ala Ser Ala Arg Ile Glu Glu Arg Lys Val Ser Lys Phe Val Val Tyr | |
| 85 90 95 | |
| caa atc atc gtc atc cag act ggg agc ttt gac aac aac aag gcc gtc | 336 |
| Gln Ile Ile Val Ile Gln Thr Gly Ser Phe Asp Asn Asn Lys Ala Val | |
| 100 105 110 | |
| ctg gaa ccg cgc tat tcc gac ttc ggc aag ctc cag aaa gcc ctg ctg | 384 |
| Leu Glu Arg Arg Tyr Ser Asp Phe Ala Lys Leu Gln Lys Ala Leu Leu | |
| 115 120 125 | |
| aag acg ttc agg gag gag atc gaa gac gtg gag ttt ccc agg aag cac | 432 |
| Lys Thr Phe Arg Glu Glu Ile Glu Asp Val Glu Phe Pro Arg Lys His | |
| 130 135 140 | |
| ctg act ggg aac ttc gct gag gag atg atc tgt gag cgt ccg ccg gcc | 480 |
| Leu Thr Gly Asn Phe Ala Glu Glu Met Ile Cys Glu Arg Arg Arg Ala | |
| 145 150 155 160 | |
| ctg cag gag tac ctg gcc ctg ctc tac gcc atc ccg tgc gtg ccg ccg | 528 |
| Leu Gln Glu Tyr Leu Gly Leu Leu Tyr Ala Ile Arg Cys Val Arg Arg | |
| 165 170 175 | |
| tcc ccg gag ttc ctg gac ttc ctc acg ccg ccg gag ctg ccg gag gct | 576 |
| Ser Arg Glu Phe Leu Asp Phe Leu Thr Arg Pro Glu Leu Arg Glu Ala | |
| 180 185 190 | |
| ttc gcc tgc ctg ccg gcc gcc cag tac ccg ccg gcc ctg gag ctg ctg | 624 |
| Phe Gly Cys Leu Arg Ala Gly Gln Tyr Pro Arg Ala Leu Glu Leu Leu | |
| 195 200 205 | |
| ctg ccg gtg ctg ccg ctg cag gag aag ctc acc gcc cac tgc cct gcc | 672 |
| Leu Arg Val Leu Pro Leu Gln Glu Lys Leu Thr Ala His Cys Pro Ala | |
| 210 215 220 | |
| gcc gcc gtc ccg gcc ctg tgc gcc gtg ctg ctg tgc cac ccg gac ctc | 720 |
| Ala Ala Val Pro Ala Leu Cys Ala Val Leu Leu Cys His Arg Asp Leu | |
| 225 230 235 240 | |

FIGURE 1

| | |
|---|-----|
| gac cgc ccc gcc gag gcc ttc gcg gcc gga gag agg gcc ctg cag cgc | 768 |
| Asp Arg Pro Ala Glu Ala Phe Ala Ala Gly Glu Arg Ala Leu Gln Arg | |
| 245 250 255 | |
| ctg cag gcc cgg gag gcc cat cgc tac tat gcg cct ctg ctg gac gcc | 816 |
| Leu Gln Ala Arg Glu Gly His Arg Tyr Tyr Ala Pro Leu Leu Asp Ala | |
| 260 265 270 | |
| atg gtc cgc ctg gcc tac gcg ctg gcc aag gac ttc gtg act ctg cag | 864 |
| Met Val Arg Leu Ala Tyr Ala Leu Gly Lys Asp Phe Val Thr Leu Gln | |
| 275 280 285 | |
| gag agg ctg gag gag agc cag ctc cgg agg ccc acg ccc cga gcc atc | 912 |
| Glu Arg Leu Glu Glu Ser Gln Leu Arg Arg Pro Thr Pro Arg Gly Ile | |
| 290 295 300 | |
| acc ctg aag gag ctc act gtg cga gaa tac ctg cac tga | 951 |
| Thr Leu Lys Glu Leu Thr Val Arg Glu Tyr Leu His | |
| 305 310 315 | |

FIGURE 1 cont'd

2 μ L
7 μ L
12 μ L
20 μ L

250 —

148 —

60 —

42 —

30 _____

22 —

17 —

6 —

4 -

FIGURE 2

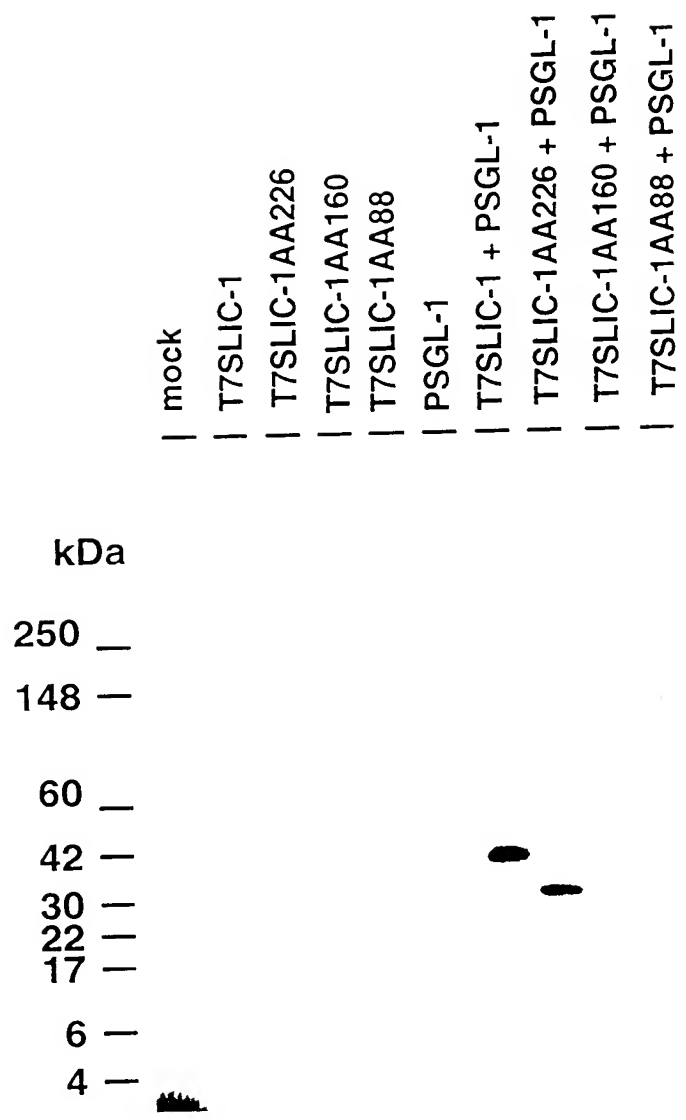


FIGURE 3

Genomic exon-intron boundary structure of the human SLIC-1 gene

```

Exon 1 - GAGACTGGAG -86      87- CCTTGGAGCA - EXON 2
      |||||
GAGACTGGAGgtcagtattt ..... cctctggcagCCTTGGAGCA

Exon 2 - CGGGCACTTA -224      225- ACACACACAG - EXON 3
      |||||
CGGGCACTTAgtggcctt ..... gtccttccagACACACACAG

Exon 3 - TAAGTTTGTG -377      378- GTGTACCAAA - EXON 4
      |||||
TAAGTTTGTGgtaagcacag ..... tgcgccttagGTGTACCAAA
  
```

Genomic exon-intron boundary structure of the mouse SLIC-1 gene

```

Exon 1 - TCCCAGGTCA          CCTTGGAGCA - EXON 2
      |||||
TCCCAGGTCAgtcagtgtt..... gctcaggtagCCTTGGAGCA

Exon 2 - GGATCAGAAA          CTCAGGTAGC - EXON 3
      |||||
GGATCAGAAAggtaaacctgg..... ctctttagCTCAGGTAGC

Exon 3 - CAAGTTTGTG          ATGTACCAAG - EXON 4
      |||||
CAAGTTTGTGgtaagcacag..... ctgcctgcagATGTACCAAG
  
```

FIGURE 4